

(56)	References Cited	
U.S. PATENT DOCUMENTS		
6,248,758 B1	6/2001	Klokkers et al.
6,303,661 B1	10/2001	Demuth et al.
6,342,601 B1	1/2002	Bantick et al.
6,372,940 B1	4/2002	Cavazza
6,548,481 B1	4/2003	Demuth et al.
6,579,868 B1	6/2003	Asano et al.
6,727,261 B2	4/2004	Gobbi et al.
6,784,195 B2	8/2004	Hale et al.
6,821,978 B2	11/2004	Chackalamannil et al.
6,869,947 B2	3/2005	Kanstrup et al.
6,995,183 B2	2/2006	Hamann et al.
7,060,722 B2	6/2006	Kitajima et al.
7,074,794 B2	7/2006	Kitajima et al.
7,074,798 B2	7/2006	Yoshikawa et al.
7,074,923 B2	7/2006	Dahanukar et al.
7,109,192 B2	9/2006	Hauel et al.
7,179,809 B2	2/2007	Eckhardt et al.
7,183,280 B2	2/2007	Himmelsbach et al.
7,192,952 B2	3/2007	Kanstrup et al.
7,217,711 B2	5/2007	Eckhardt et al.
7,235,538 B2	6/2007	Kanstrup et al.
7,291,642 B2	11/2007	Kauffmann-Hefner et al.
7,361,687 B2	4/2008	Barth et al.
7,393,847 B2	7/2008	Eckhardt et al.
7,407,955 B2	8/2008	Himmelsbach et al.
7,432,262 B2	10/2008	Eckhardt et al.
7,439,370 B2	10/2008	Eckhardt
7,470,716 B2	12/2008	Eckhardt et al.
7,476,671 B2	1/2009	Eckhardt et al.
7,482,337 B2	1/2009	Himmelsbach et al.
7,495,002 B2	2/2009	Langkopf et al.
7,495,003 B2	2/2009	Eckhardt et al.
7,495,005 B2	2/2009	Himmelsbach et al.
7,501,426 B2	3/2009	Himmelsbach et al.
7,550,455 B2	6/2009	Himmelsbach et al.
7,560,450 B2	7/2009	Eckhardt et al.
7,566,707 B2	7/2009	Eckhardt et al.
7,569,574 B2	8/2009	Maier et al.
7,579,449 B2	8/2009	Eckhardt et al.
7,610,153 B2	10/2009	Carter, Jr. et al.
7,645,763 B2	1/2010	Himmelsbach et al.
7,718,666 B2	5/2010	Boehringer et al.
7,799,782 B2	9/2010	Munson et al.
7,820,815 B2	10/2010	Pfrenge et al.
7,838,529 B2	11/2010	Himmelsbach et al.
8,039,477 B2	10/2011	Hendrix et al.
8,071,583 B2	12/2011	Himmelsbach
8,106,060 B2	1/2012	Pfrenge et al.
8,119,648 B2 *	2/2012	Himmelsbach et al. . 514/263.21
8,158,633 B2	4/2012	Hendrix et al.
8,178,541 B2 *	5/2012	Himmelsbach et al. . 514/263.21
8,232,281 B2 *	7/2012	Dugi et al. 514/263.21
2001/0020006 A1	9/2001	Demuth et al.
2001/0051646 A1	12/2001	Demuth et al.
2002/0019411 A1	2/2002	Robl et al.
2002/0137903 A1	9/2002	Ellsworth et al.
2002/0161001 A1	10/2002	Kanstrup et al.
2002/0169174 A1	11/2002	Chackalamannil et al.
2002/0198205 A1	12/2002	Himmelsbach et al.
2003/0078269 A1	4/2003	Pearson et al.
2003/0100563 A1	5/2003	Edmondson et al.
2003/0105077 A1	6/2003	Kanstrup et al.
2003/0114390 A1	6/2003	Washburn et al.
2003/0149071 A1	8/2003	Gobbi et al.
2003/0166578 A1	9/2003	Arch et al.
2003/0199528 A1	10/2003	Kanstrup et al.
2003/0224043 A1	12/2003	Appel et al.
2003/0232987 A1	12/2003	Dahanukar et al.
2003/0236272 A1	12/2003	Carr
2004/0023981 A1	2/2004	Ren et al.
2004/0034014 A1	2/2004	Kanstrup et al.
2004/0063725 A1	4/2004	Barth et al.
2004/0077645 A1	4/2004	Himmelsbach et al.
2004/0082570 A1	4/2004	Yoshikawa et al.
2004/0087587 A1	5/2004	Himmelsbach et al.
	2004/0097510 A1	5/2004 Himmelsbach et al.
	2004/0116328 A1	6/2004 Yoshikawa et al.
	2004/0122048 A1	6/2004 Benjamin et al.
	2004/0122228 A1	6/2004 Maier et al.
	2004/0126358 A1	7/2004 Warne et al.
	2004/0138214 A1	7/2004 Himmelsbach et al.
	2004/0138215 A1	7/2004 Eckhardt et al.
	2004/0166125 A1	8/2004 Himmelsbach et al.
	2004/0180925 A1	9/2004 Matsuno et al.
	2004/0259903 A1	12/2004 Boehringer et al.
	2005/0020574 A1	1/2005 Hauel et al.
	2005/0026921 A1	2/2005 Eckhardt et al.
	2005/0032804 A1	2/2005 Cypes et al.
	2005/0070562 A1	3/2005 Jones et al.
	2005/0070594 A1	3/2005 Kauschke et al.
	2005/0130985 A1	6/2005 Himmelsbach et al.
	2005/0143377 A1	6/2005 Himmelsbach et al.
	2005/0171093 A1	8/2005 Eckhardt et al.
	2005/0187227 A1	8/2005 Himmelsbach et al.
	2005/0203095 A1	9/2005 Eckhardt et al.
	2005/0234108 A1	10/2005 Himmelsbach et al.
	2005/0234235 A1	10/2005 Eckhardt et al.
	2005/0239778 A1	10/2005 Konetzki et al.
	2005/0256310 A1	11/2005 Hulin et al.
	2005/0261271 A1	11/2005 Feng et al.
	2005/0261352 A1	11/2005 Eckhardt
	2005/0266080 A1	12/2005 Desai et al.
	2005/0276794 A1	12/2005 Papas et al.
	2006/0004074 A1	1/2006 Eckhardt et al.
	2006/0039974 A1	2/2006 Akiyama et al.
	2006/0047125 A1	3/2006 Leonardi et al.
	2006/0058323 A1	3/2006 Eckhardt et al.
	2006/0063787 A1	3/2006 Yoshikawa et al.
	2006/0074058 A1	4/2006 Holmes et al.
	2006/0079541 A1	4/2006 Langkopf et al.
	2006/0094722 A1	5/2006 Yasuda et al.
	2006/0100199 A1	5/2006 Yoshikawa et al.
	2006/0106035 A1	5/2006 Hendrix et al.
	2006/0111372 A1	5/2006 Hendrix et al.
	2006/0111379 A1	5/2006 Guillemont et al.
	2006/0142310 A1	6/2006 Pfrenge et al.
	2006/0154866 A1	7/2006 Chu et al.
	2006/0159746 A1	7/2006 Troup et al.
	2006/0173056 A1	8/2006 Kitajima et al.
	2006/0205711 A1	9/2006 Himmelsbach et al.
	2006/0205943 A1	9/2006 Dahanukar et al.
	2006/0247226 A1	11/2006 Himmelsbach et al.
	2006/0270668 A1	11/2006 Chew et al.
	2006/0270701 A1	11/2006 Kroth et al.
	2007/0027168 A1	2/2007 Pfrenge et al.
	2007/0060530 A1	3/2007 Christopher et al.
	2007/0072803 A1	3/2007 Chu et al.
	2007/0072810 A1	3/2007 Asakawa
	2007/0088038 A1	4/2007 Eckhardt et al.
	2007/0093659 A1	4/2007 Bonfanti et al.
	2007/0142383 A1	6/2007 Eckhardt et al.
	2007/0185091 A1	8/2007 Himmelsbach et al.
	2007/0196472 A1	8/2007 Kiel et al.
	2007/0219178 A1	9/2007 Muramoto
	2007/0259900 A1	11/2007 Sieger et al.
	2007/0259925 A1	11/2007 Boehringer et al.
	2007/0259927 A1	11/2007 Suzuki et al.
	2007/0281940 A1	12/2007 Dugi et al.
	2007/0299076 A1	12/2007 Piotrowski et al.
	2008/0039427 A1	2/2008 Ray et al.
	2008/0107731 A1	5/2008 Kohlrausch et al.
	2008/0108816 A1	5/2008 Zutter
	2008/0249089 A1	10/2008 Himmelsbach et al.
	2008/0255159 A1	10/2008 Himmelsbach et al.
	2008/0312243 A1	12/2008 Eckhardt et al.
	2008/0318922 A1	12/2008 Nakahira et al.
	2009/0023920 A1	1/2009 Eckhardt
	2009/0088408 A1	4/2009 Meade et al.
	2009/0088569 A1	4/2009 Eckhardt et al.
	2009/0093457 A1	4/2009 Himmelsbach et al.
	2009/0131432 A1	5/2009 Himmelsbach et al.
	2009/0136596 A1	5/2009 Munson et al.
	2009/0137801 A1	5/2009 Himmelsbach et al.
	2009/0149483 A1	6/2009 Nakahira et al.